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Attorney Docket No.: P-8732-US

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): NUMES RAMOS DE
CARVALHO, Bruno Examiner: Not Yet Assigned
Manuel et al.

Serial No.: 10/576,198 Group Art Unit: Not Yet Assigned

Filed: April 17, 2006

Title: AUTONOMOUS GARMENT WITH ACTIVE THERMAL CONTROL AND
POWERED BY SOLAR CELLS

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO/SB/08:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☐ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. _____, filed _____ which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☒ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;
4. ☒ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search

APPLICANTS: NUMES RAMOS DE CARVALHO,
Bruno Manuel et al.
SERIAL NO.: 10/576,198
FILED: April 17, 2006
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has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

I) ☒ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to of 37 C.F.R §1.97 (b); or

II) ☐ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

APPLICANTS: NUMES RAMOS DE CARVALHO,
Bruno Manuel et al.
SERIAL NO.: 10/576,198
FILED: April 17, 2006
Page 3

2. ☐ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R. §1.17 (p) to Deposit Account 50-3355.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:

a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

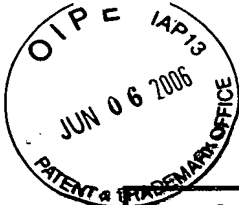
2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R. §1.17 (p) to Deposit Account 50-3355.

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-3355.

Respectfully submitted,

/Caleb Pollack/
Caleb Pollack, Reg. No. 37,912
Attorney/Agent for Applicant(s)

Dated: May 30, 2006
Pearl Cohen Zedek Latzer, LLP
1500 Broadway, 12th Floor
New York, New York 10036
Tel: (646) 878-0800
Fax: (646) 878-0801



PTO/SB/08a (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/576,198
Filing Date	April 17, 2006
First Named Inventor	NUNES RAMOS DE CARVALHO, Bruno Manuel
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	P-8732-US

Sheet	1	of	3
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A	US-2001/047992	Dec. 6, 2001	Deangelis et al.	
	B	US-5,893,991	Apr. 13, 1999	Newell	
	C	US-5,643,480	Jul. 1, 1997	Gustavsson et al.	
	D	US-4,705,935	Nov. 10, 1987	Traffanstedt et al.	
	E	US-2003/006229	Jan. 9, 2003	Lin et al.	
	F	US-4,404,460	Sep. 13, 1983	Kerr	
	G	US-6,439,942	Aug. 27, 2002	Pillai et al.	
	H	US-4,539,714	Sep. 10, 1985	Fratti	
	I	US-6,125,645	Oct. 3, 2000	Horn	
	J	US-5,289,695	Mar. 1, 1994	Parrish et al.	
	K	US-5,111,668	May 12, 1992	Parrish et al.	
	L	US-6,257,011	Jul. 10, 2001	Siman-Tov et al.	
	M	US-5,217,408	Jun. 8, 1993	Kaine	
	N	US-5,438,707	Aug. 8, 1995	Horn	
	O	US-6,134,714	Oct. 24, 2000	Ugliene	
	P	US-2002/073481	Jun. 20, 2002	Creagan et al.	
	Q	US-2002/069448	Jun. 13, 2002	Appolonia	
	R	US-5,415,222	May 16, 1995	Colvin et al	

FOREIGN PATENT DOCUMENTS

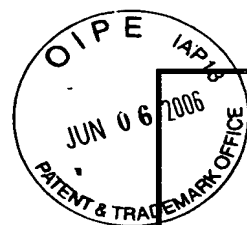
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	S	WO 03/059099	Jul. 24, 2003			<input type="checkbox"/>
	T	EP 1 197 722	Apr. 17, 2002			<input type="checkbox"/>
	U	DE 198 35 984	Feb 17, 2000			<input type="checkbox"/>
	V	EP 0 287 294	Oct 19, 1988			<input type="checkbox"/>
	W	FR 2 577 390	Aug. 22, 1986			<input type="checkbox"/>
	X	FR 2 752 363	Feb. 20, 1998			<input type="checkbox"/>
	Y	FR 2 577 116	Aug. 14, 1986			<input type="checkbox"/>
	Z	DE 197 55 181	Jun. 24, 1999			<input type="checkbox"/>
	AA	DE 197 49 436	May 27, 1999			<input type="checkbox"/>
	AB	GB 2 352 385	Jan. 31, 2001			<input type="checkbox"/>

Examiner Signature		Date Considered	
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The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO

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STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **2** of **3****Complete If Known**

Application Number	10/576,198
Filing Date	April 17, 2006
First Named Inventor	NUNES RAMOS DE CARVALHO, Bruno Manuel
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	P-8732-US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AC	US-5,263,336	Nov. 23, 1993	Kuramarohit	
	AD	US-3,736,764	Jun. 5, 1973	Chambers et al.	
	AE	US-5,755,110	May 26, 1998	Silvas	
	AF	US-5,386,823	Feb. 7, 1995	Chen	
	AG	US-5,603,648	Feb. 18, 1997	Kea	
	AH	US-5,148,002	Sep. 15, 1992	Kuo et al.	
	AI	US-2003/097845	Apr. 1, 1999	Saunders et al.	
	AJ	US-6,005,222	Dec. 21, 1999	Hicks	
	AK	US-6,584,798	Feb. 13, 2003	Scheegerin	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	AL	WO 02/067707	Sep. 6, 2002			<input type="checkbox"/>
	AM	FR 2 719 892	Nov. 17, 1995			<input type="checkbox"/>
	AN	FR 2 756 709	Jun. 12, 1998			<input type="checkbox"/>
	AO	DE 2 011 331	Mar. 4, 1971			<input type="checkbox"/>
	AP	DE 197 45 889	Apr. 1, 1999			<input type="checkbox"/>
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Complete if Known</i>	
				Application Number	10/576,198
				Filing Date	April 17, 2006
				First Named Inventor	NUNES RAMOS DE CARVALHO, Bruno Manuel
				Art Unit	Not Yet Assigned
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	P-8732-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AQ	International Search Report. International Publication number PCT/PT2004/000024. Date of mailing January 27, 2005.	<input type="checkbox"/>
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